

The following table is a summary of the articles and machines inspected in the fiscal year 1929-30.

**24.—Inspections by the Weights and Measures Service, fiscal year ended Mar. 31, 1930.**

Article.	Submitted.	Verified.	Rejected.	Percentage of Rejections.
	No.	No.	No.	p.c.
Weights.....	85,631	81,675	3,956	4.6
Weights, metric.....	1,214	1,195	19	1.5
Measures of capacity.....	90,302	89,581	721	0.8
Measures of length.....	11,698	11,561	135	1.1
Milk cans.....	71,166	71,084	82	0.1
Ice-cream containers.....	47,408	47,407	1	-
Babcock glassware.....	31,354	34,008	346	1.0
Measuring devices.....	45,915	41,294	4,651	10.1
Weighing machines.....	185,720	165,090	20,630	11.1
Weighing machines, metric.....	504	482	22	4.3
Tank wagons.....	1,273	1,265	8	0.6
<b>Totals.....</b>	<b>575,213</b>	<b>544,642</b>	<b>30,571</b>	<b>5.3</b>

The total revenue collected by the Service during the year amounted to \$407,359, and the total expenses, including salaries, totalled \$344,566.

**Electricity and Gas Inspection.**—The Electricity and Gas Inspection Branch of the Department of Trade and Commerce administers three Acts, the Electricity Inspection Act (c. 22, 1928), the Gas Inspection Act (c. 82, R.S.C. 1927), and the Electricity and Fluid Exportation Act (c. 54, R.S.C. 1927).

The latest report of the Branch shows 489,569 electricity and gas meters tested in the fiscal year ended Mar. 31, 1930, as compared with 459,159 in the preceding year. The total revenue derived from electricity and gas inspection was \$329,006, as compared with an expenditure of \$223,937. The Branch also collected \$318,792 as export duty and licence fees under the provisions of the Electricity and Fluid Exportation Act; the cost of collecting this revenue was only \$210.

Statistics collected as a by-product of the administration of the last-named Act will be found on p. 386, in the Water Power chapter of the Year Book. Here, however, may be given statistics collected by the Branch in the process of administration and showing the phenomenal increase in the number of consumers of electricity in the past fifteen years, from 505,597 to 1,582,505 (Table 25); the lesser increase in the gas meters in use from 267,454 in 1916 to 639,295 in 1930 (Table 26); and the number of cubic feet of gas sold in Canada from 1920 to 1930, classified as carburetted water gas, coal gas, coke oven gas, natural gas and acetylene gas (Table 27).

**25.—Number of Electricity Meters in Use, fiscal years ended Mar. 31, 1915-1930.**

Fiscal Year.	Number.	Fiscal Year.	Number.
1915.....	505,597	1923.....	1,046,831
1916.....	517,629	1924.....	1,094,639
1917.....	594,737	1925.....	1,165,664
1918.....	661,403	1926.....	1,240,752
1919.....	717,776	1927.....	1,314,423
1920.....	743,468	1928.....	1,412,521
1921.....	860,379	1929.....	1,499,872
1922.....	945,599	1930.....	1,582,505